#### **CURRENT AND FUTURE STUDIES**

#### **Cheryl Jaynes**

Plan Formulation Section USACE, Galveston District

October 23, 2014

Galveston District - Dredging Meeting

**Custodians of the Coast** 



US Army Corps of Engineers
BUILDING STRONG®



## Planning Section Update

- Shallow Draft Channel Studies
- Deep Draft Channel Studies
- Challenges



### Existing Shallow Draft Studies



## GIWW – High Island to Brazos River DMMP

- District has initiated a new DMMP.
- 85 mile reach with 65 PA's.
- District has teamed with ERDC to develop several new tools that will facilitate placement opportunities on this reach as well as others.





## GIWW - Port O'Connor to Corpus Christi Bay

- Current study evaluating changes to address navigation safety issues.
- Draft report was submitted to SWD in April 2014.







## GIWW - Mooring Basin Modifications

- Study underway to evaluate modifications to four mooring basins (Port Arthur, Bolivar, Pelican Island and Brazos River facilities).
- Benefits currently being evaluated using Port Vision data.
- Team is currently completing draft report.
- Utilizing O&M funds.



#### Cedar Bayou DMMP

 Completed evaluation of new placement area alternatives including modified and new upland confined PA's as well as new beneficial use

opportunities.

 Draft report complete and has been sent out for PN.

- Scheduled to be complete in January 2015.
- Utilizing O&M funds.





#### **Chocolate Bayou DMMP**

- Completed new DMMP which included modification of existing placement area.
- Document has been submitted to Southwestern Division for review and approval.
- Utilizing O&M funds.





## On-Going Deep-Draft Studies



#### Sabine Neches Waterway

- Chief's Report signed on 22 July 2011.
- Recommends deepening to
   48 feet and selective widening.



Initiating new Economic Update



# Houston – Galveston Navigation Channels (HGNC)

- Initiated preparation of DMMP for Houston Ship Channel.
  - ► Existing capacity evaluations are complete.
  - ▶ Utilizing O&M funds.
- HGNC 902 LRR
  - Draft LRR identifying new cost for Congressional authorization. Scheduled to transmit report to HQ in Dec 2014.
- Houston Ship Channel Recon
  - ► One of 9 new start Recon's for USACE. Draft Recon Report prepared.
  - ► Expect initiation of Feasibility Study to evaluate changes to HSC.

### Freeport Channel

- Feasibility Study evaluating deepening and widening alternatives.
- Successfully defended project at Civil Works Review Board in August 2012. Chief's Report signed on 7 Jan 2013. Authorized in WRRDA 2014.

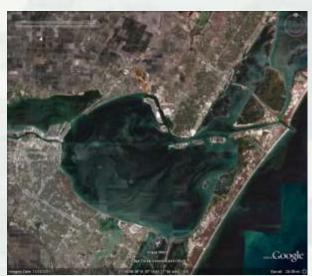


- Recommends deepening to 56, 51 and 26 feet with selective widening.
- Section 204 Widening approved by ASA (CW).



### Corpus Christi Ship Channel

- Completed study in 2003 to deepen channel to 52 feet, barge lanes, extend La Quinta Channel.
- Received authorization in 2007 WRDA.



- Completed construction of La Quinta Channel extension.
   Sponsor deepening from 39 to 45 feet.
- Potential to start LRR evaluating widening only on a portion of the main channel.



#### Brazos Island Harbor

- Feasibility study to evaluate deepening/ widening alternatives completed.
- Successfully defended project at CWRB on 25 June 2014.



Chief's Report currently being routed for signature.



### Challenges

Uncertainty in the budgeting process

Review process

3x3x3



#### Questions?

**Bob Heinly** 

Plan Formulation Section, USACE

(409) 766-3992

